



Manuals.plus /

› **Tobii** /

› Tobii Eye Tracker 5 User Manual: Head & Eye Tracking Gaming Peripheral for PC

Tobii Eye Tracker 5

Tobii Eye Tracker 5 User Manual

Head & Eye Tracking Gaming Peripheral for PC

1. INTRODUCTION

The Tobii Eye Tracker 5 is an advanced peripheral designed to enhance your PC gaming and computing experience through precise head and eye tracking. This device integrates seamlessly with a wide range of applications and games, offering new levels of immersion and control. It tracks both head and eye movements simultaneously, providing a comprehensive input method without the need for wearables.

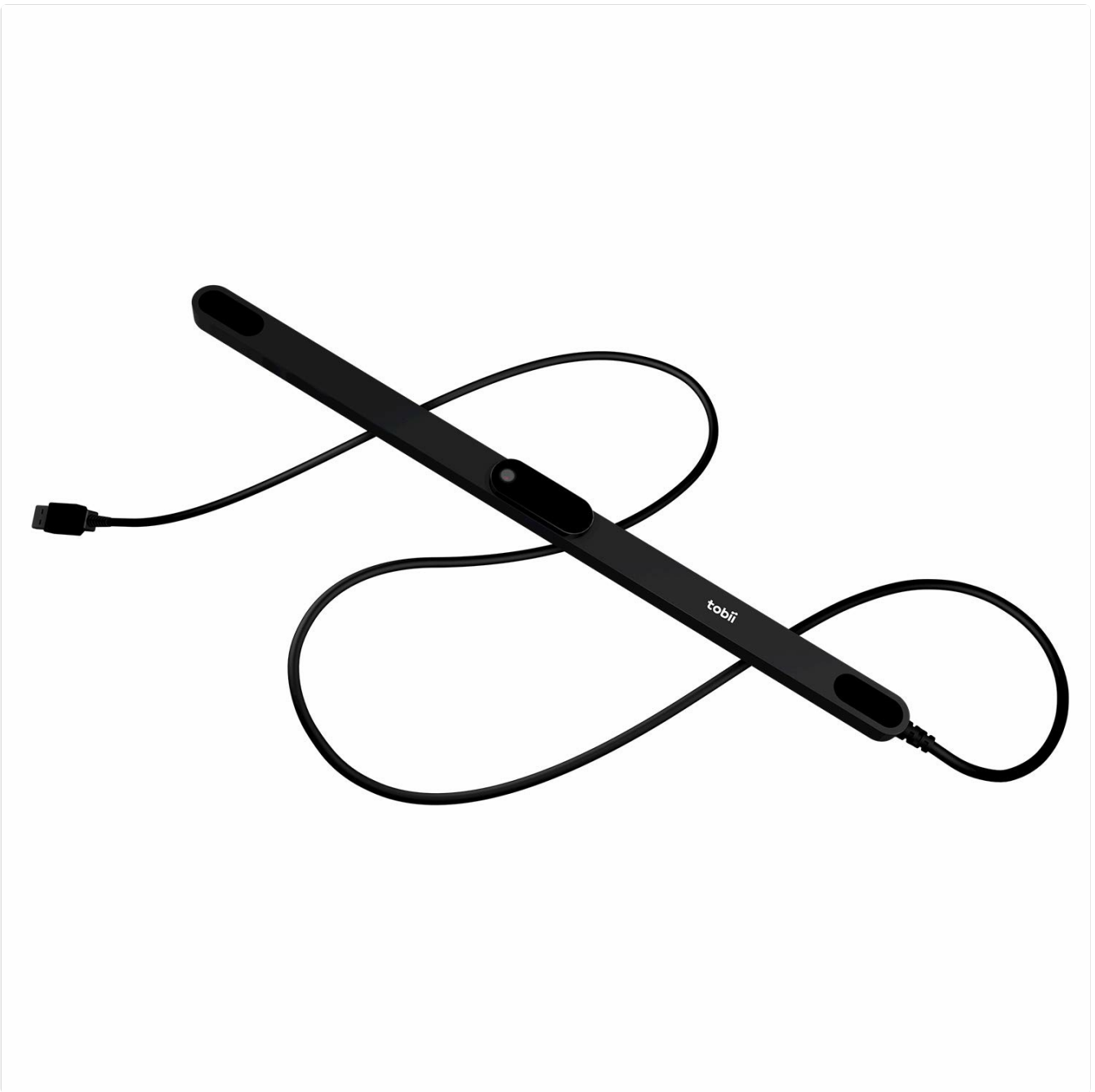


Image: The Tobii Eye Tracker 5, a sleek black bar with a USB cable, designed for desktop monitor mounting.

2. WHAT'S IN THE BOX

Upon unboxing your Tobii Eye Tracker 5, verify that all components are present:

What's in the box?

Just everything you need.

- ✓ Tobii Eye Tracker 5
- ✓ USB extension cable
- ✓ Two magnetic flat mounts
- ✓ One flex mount
- ✓ How to get started
- ✓ Safety documentation



Image: An illustration showing the Tobii Eye Tracker 5, its USB extension cable, two magnetic flat mounts, one flex mount, and accompanying documentation.

- **Tobii Eye Tracker 5:** The main tracking unit.
- **USB Extension Cable:** For connecting the tracker to your PC.
- **Two Magnetic Flat Mounts:** For attaching the tracker to flat monitor surfaces.
- **One Flex Mount:** For attaching the tracker to curved or irregular monitor surfaces.
- **How to Get Started Guide:** Quick setup instructions.
- **Safety Documentation:** Important safety information.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Tobii Eye Tracker 5:

3.1 Physical Installation

1. **Choose a Mount:** Select either a magnetic flat mount or the flex mount based on your monitor's design.

2. **Attach Mount:** Clean the bottom center of your monitor. Peel the adhesive backing from the chosen mount and firmly press it onto the monitor.
3. **Position Tracker:** The Tobii Eye Tracker 5 has magnets that will snap onto the installed mount. Ensure it is centered horizontally below your screen.
4. **Connect to PC:** Plug the tracker's USB cable into an available USB port on your computer. Use the provided USB extension cable if needed.



Image: A hand demonstrating the placement of the Tobii Eye Tracker 5 at the bottom center of a computer monitor.

3.2 Software Installation & Calibration

1. **Download Software:** Visit the official Tobii Gaming website to download the latest Tobii Experience software.
2. **Install Software:** Run the installer and follow the on-screen prompts.
3. **Calibration:** Once installed, the software will guide you through a calibration process. This involves looking at various points on your screen to ensure accurate eye tracking. Perform calibration in your typical seating position.
4. **Windows Hello Integration:** The Tobii Eye Tracker 5 is compatible with Windows Hello for secure, biometric login. Enable this feature through Windows Settings > Accounts > Sign-in options.

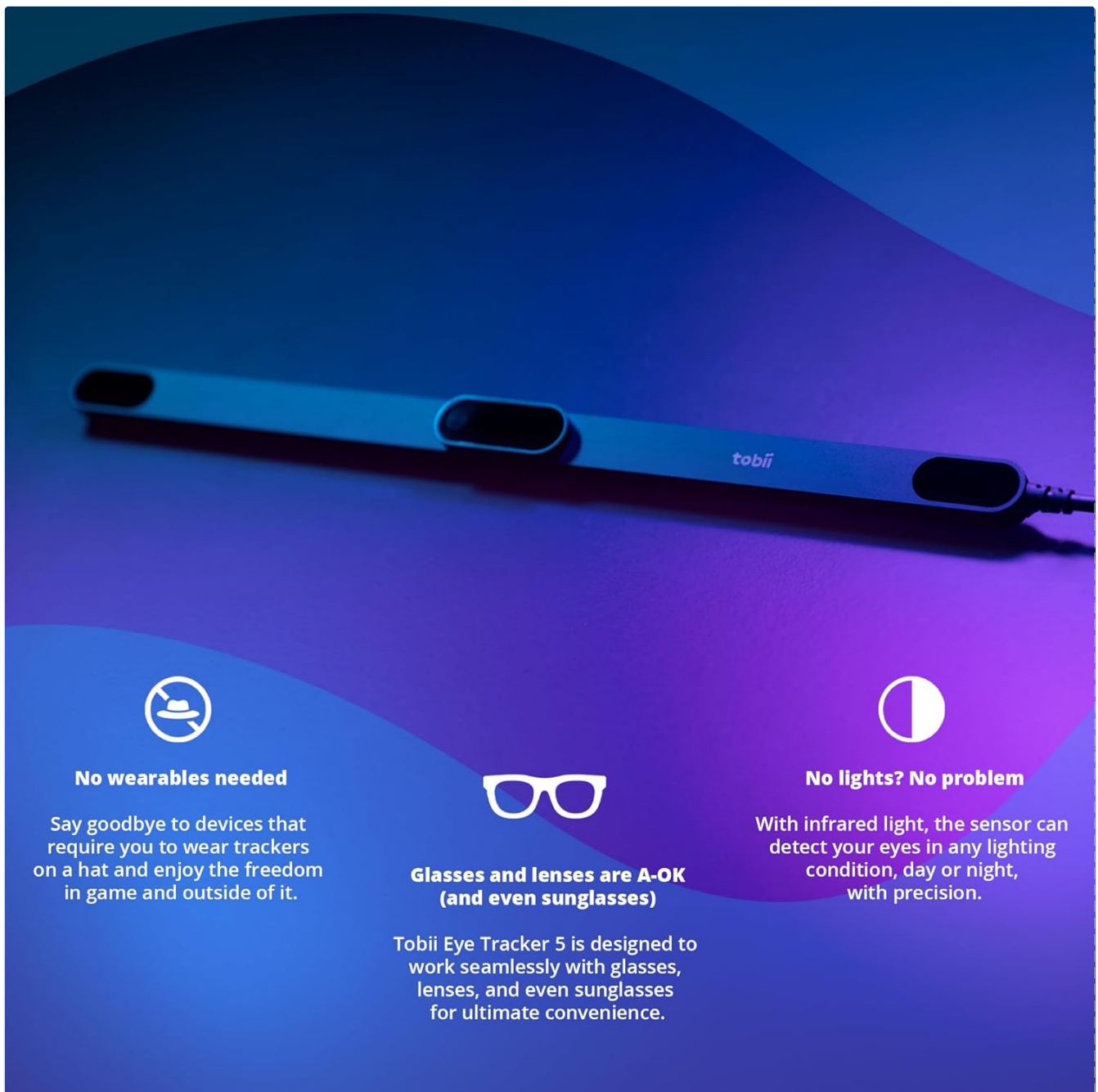


Image: A graphic highlighting key features: no wearables required, compatibility with glasses and lenses, and reliable operation in all lighting conditions (day or night).

4. OPERATING INSTRUCTIONS

The Tobii Eye Tracker 5 offers a unique blend of head and eye tracking for enhanced interaction. It is designed to work in all light conditions, providing consistent performance.

4.1 Core Functionality

- **Head Tracking:** Detects your head movements to control in-game camera views or desktop interactions.
- **Eye Tracking:** Monitors your gaze direction, allowing for intuitive targeting, interaction, and camera control based on where you are looking.
- **Combined Input:** The device uniquely combines both head and eye tracking for a more immersive and natural experience, often referred to as 6 Degrees of Freedom (6DoF) without requiring head-mounted gear.

Tobii Eye Tracker 5

vs

Other Head Trackers



Head Tracking



Eye Tracking



Works in all light conditions



Windows Hello Support



No wearables needed



Unique Gameplay Features



Image: A comparison chart showing that the Tobii Eye Tracker 5 offers both head and eye tracking, works in all light conditions, supports Windows Hello, requires no wearables, and provides unique gameplay features, unlike typical head trackers.

4.2 Game Integration

The Tobii Eye Tracker 5 enhances over 170 game titles, including popular simulators and action games. Specific features vary by game but often include:

Supporting over
170+ Games



Image: A visual representation of the Tobii Eye Tracker 5's compatibility with over 170 games, showcasing prominent titles like Star Citizen and Microsoft Flight Simulator.

- **Camera Boost:** Increases head tracking sensitivity when glancing at screen edges, allowing for smoother exploration without excessive head movements.
- **Gaze Based Target Selection:** In supported games, simply looking at a target can initiate selection or lock-on.
- **Extended View:** Provides 6DoF head tracking to freely look around cockpits, track opponents, and navigate environments.

Examples of Game Enhancements:

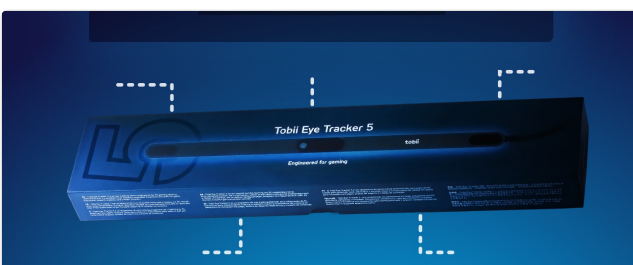


Image: Description of Camera Boost in Star Citizen, explaining how head tracking sensitivity increases at screen edges for

smoother exploration.



Image: Description of Gaze Based Target Selection in Star Citizen, detailing how players can lock onto targets by simply looking at them.

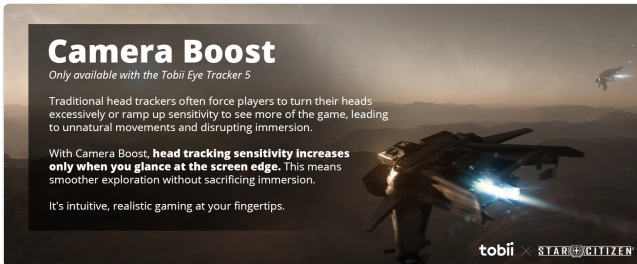


Image: Description of Extended View in Star Citizen, explaining 6DoF head tracking for free movement and situational awareness in-game.



Image: Description of Camera Boost in Digital Combat Simulator, detailing how it intelligently adjusts sensitivity for seamless immersion.



Image: Description of Extended View in Digital Combat Simulator, explaining 6DoF head tracking for keeping enemies in sight and navigating.



Image: A graphic illustrating the integration of Tobii Eye Tracker 5 with Euro Truck Simulator 2, emphasizing hands-on-wheel and eyes-on-road experience with 6DoF camera control.

4.3 General Usage Tips

- Ensure your seating position is consistent for optimal tracking.
- Avoid direct sunlight or strong light sources directly behind you, as this can sometimes interfere with tracking, although the device is designed for various conditions.
- Recalibrate if you change your seating position significantly or notice a decrease in tracking accuracy.



Image: A user engaged in a farming simulator, utilizing a steering wheel and the Tobii Eye Tracker 5 for an immersive experience.

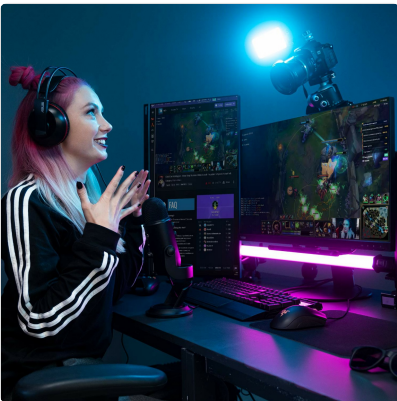


Image: A streamer interacting with their game and audience, benefiting from the Tobii Eye Tracker 5's capabilities.



Image: A gamer focused on their screen, using the Tobii Eye Tracker 5 for enhanced gameplay interaction.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Tobii Eye Tracker 5, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the tracker's surface and lenses with a soft, dry, lint-free cloth. Avoid using abrasive cleaners or solvents, as these can damage the device.
 - **Storage:** When not in use, store the tracker in a clean, dry environment away from extreme temperatures and direct sunlight.
 - **Cable Care:** Avoid sharply bending or pulling the USB cable. Store it neatly to prevent tangles and damage.
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6. TROUBLESHOOTING

If you encounter issues with your Tobii Eye Tracker 5, try the following troubleshooting steps:

6.1 Tracking Issues

- **Recalibrate:** Perform a fresh calibration through the Tobii Experience software.
- **Check Lighting:** While designed for all conditions, extreme direct light (e.g., sunlight directly on your face or the tracker) can sometimes affect performance. Adjust your environment if necessary.
- **Positioning:** Ensure the tracker is securely mounted and centered below your monitor. Verify your seating position is within the recommended range.
- **Obstructions:** Make sure there are no objects blocking the tracker's view of your eyes.

6.2 Connectivity Problems

- **USB Connection:** Try plugging the tracker into a different USB port on your PC. Ensure the USB cable is fully inserted.
- **Restart Software/PC:** Close and restart the Tobii Experience software, or restart your computer.
- **Driver Updates:** Ensure your Tobii software and drivers are up to date. Check the Tobii Gaming website for the latest versions.

6.3 Windows Hello Not Working

- **Lighting:** Windows Hello may require adequate facial illumination to function correctly, even if the eye tracker itself works in low light. Ensure your face is well-lit.
- **Windows Updates:** Ensure your Windows operating system is fully updated, as system updates can sometimes affect peripheral functionality.
- **Re-enroll:** Try re-enrolling your face for Windows Hello in Windows Settings.

For further assistance, refer to the official Tobii support resources.

7. SPECIFICATIONS

Feature	Detail
Model	Eye Tracker 5
Dimensions	15.94 x 1.77 x 3.27 inches
Item Weight	3.42 ounces
Manufacturer	Tobii Tech AB
Date First Available	June 15, 2020

8. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the documentation included with your Tobii Eye Tracker 5 or visit the official Tobii Gaming website. Tobii Tech AB is the manufacturer of this product.

For technical support, software updates, and frequently asked questions, please visit the official Tobii Gaming support page. Protection plans may be available for purchase separately to extend coverage beyond the standard warranty.

Note: No official product videos were provided in the available data for embedding in this manual.
